

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

**ROGERS et al**

Atty. Ref.: **4271-61**

Serial No. **Unknown**

Group:

National Phase of: **PCT/US2005/005617**

International Filing Date: **23 February 2005**

Filed: **August 24, 2006**

Examiner:

For: **PROCESS AND SYSTEMS FOR THE EFFICIENT  
PRODUCTION OF POLYMERIC MICROSPHERES**

\* \* \* \* \*

**August 24, 2006**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

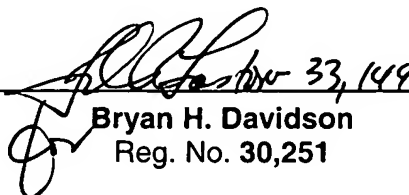
As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO/SB/08a. Copies of the non-U.S. references are enclosed. This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited. A copy of the International Search Report is also enclosed.

The Examiner is requested to initial the attached form PTO/SB/08a and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

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## INFORMATION DISCLOSURE CITATION

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SERIAL NO.

4271-61

Unknown

APPLICANT

ROGERS et al

(Use several sheets if necessary)

FILING DATE

GROUP

August 24, 2006

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,929,400	5/1990	Rembaum et al			
	5,269,980	12/1993	Levendis et al			
	2004/0091542	5/2004	Watanabe et al			
	4,446,261	5/1984	Yamasaki et al			
	4,929,400	5/1990	Rembaum et al			
	5,669,894	9/1997	Goldman et al			
	6,313,199	11/2001	Davies et al			
	6,616,869	9.2003	Mathiowitz et al			
	6,762,240	7/2004	Swarup et al			
	6,764,720	7/2004	Pui et al			
	6,846,564	1/2005	Pascault et al			
	6,852,821	2/2005	Bendix et al			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	International Search Report
	Suzuki et al, "An Experimental Study on the Kinetics and Mechanisms of Styrene Polymerization in Oil-in-Water Microemulsion Initiated by Oil-soluble Initiators". MACROMOL. SYMP., 155, pp. 199-212, 2000.
	Wang et al, "Emulsifier-Free Emulsion Copolymerization of Styrene with Methacrylic Acid", JOURNAL OF APPLIED POLYMER SCIENCE, Vol. 88, pp. 1747-1751, 2003.
	Ho, "Dispersion Polymerization of Styrene in Alcohol Media: Effect of Initiator concentration, Solvent Polarity, and Temperature on the Rate of Polymerization", JOURNAL OF POLYMER SCIENCE: PART A: POLYMER CHEMISTRY, Vol. 35, pp. 2907-2915, 1997.
	Jiang et al, "Kinetics of the Potassium Persulfate-Initiated Inverse Emulsion Polymerization of Sodium Acrylate Solutions", JOURNAL OF POLYMER SCIENCE: PART A: POLYMER CHEMISTRY, Vol. 34, pp. 695,699, 1996.
	Mayoux et al, "Inverse Suspension Polymerization of Sodium Acrylate: Synthesis and Characterization", JOURNAL OF APPLIED POLYMER SCIENCE, Vol. 77, pp. 2621-2630, 2000.
	Shin et al, "Preparation of Polymer Particles in Aerosol-Phase Reaction", AEROSOL SCIENCE AND TECHNOLOGY, 24, pp. 243-254, 1996.
	Partch et al, "Preparation of Polymer Colloids by Chemical Reactions in Aerosols", JOURNAL OF COLLOID AND INTERFACE SCIENCE, Vol. 105, No. 2, pp. 560-569, 1985.
	Matsuyama et al, "Environmental Benign Formation of Polymeric Microspheres by Rapid Expansion of Supercritical Carbon Dioxide Solution with a Nonsolvent", ENVIRON. SCI. TECHNOL., 35, pp. 4149-4155, 2001.
	Okubo et al, "Production of polyacrylonitrile particles by precipitation polymerization in supercritical carbon dioxide", COLLOID POLYM SCI, 281, pp. 964-972, 2003.
	Jung et al, "Particle design using supercritical fluids: Literature and patent survey", JOURNAL OF SUPERCRITICAL FLUIDS, 20, pp. 179-219. 2001.

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.